

ABSTRACT OF THE DISCLOSURE

A flat panel display with high brightness. The flat panel display comprises a panel and a light module. The panel has a plurality of pixels. The transmittivity of each pixel or the ratio of the transmissive area of each pixel to the area of the pixel exhibits a first distribution function. The light module supplies light to illuminate the panel. The intensity of the light exhibits a second distribution function. In the flat panel display, the distribution of the brightness of the panel is improved by controlling of the transmittivity of each pixel or the area ratio of the transmissive area, to attain a better visual quality.